

California Regional Water Quality Control Board
North Coast Region

Monitoring and Reporting Program No. R1-2003-0068

For

Humane Society of Sonoma County
Animal Shelter Facility

Sonoma County

FLOW MONITORING

Average daily flow and the average monthly flow to each mound disposal system shall be estimated from water meter readings or other method approved by the Executive Officer.

DISCHARGE MONITORING

Monitoring samples from the biological treatment unit's influent and effluent shall be collected and analyzed for total Kjeldahl nitrogen at least quarterly and used for the purpose of determining compliance to Waste Discharge Requirements Order No. R1-2003-0068. For the months January, February and March, all monitoring samples shall be collected monthly. Effluent samples shall be analyzed for the following constituents:

Table 1 Monitoring Schedule

Constituent	Units	Type of Sample
Fecal Coliform Organisms	MPN/100 ml	Grab
Nitrate (as N)	mg/l	Grab
Total Kjeldahl Nitrogen	mg/l	Grab

GROUNDWATER MONITORING

1. Monitoring Locations

The groundwater monitoring well network shall consist of one deep monitoring well located upgradient of the wastewater disposal systems and at least two deep monitoring wells located downgradient of the mound disposal systems. The groundwater monitoring wells shall be constructed in such a way as to monitor groundwater flow and quality at groundwater depths anticipated throughout the year. Any additional monitoring wells constructed at the site shall be added to the monitoring network as needed. Samples shall be collected from the monitoring wells identified in this Order for the constituents specified in Table 2.

2. **Monitoring Schedule**

Groundwater samples shall be collected from monitoring wells on a quarterly basis. For the months January, February and March, groundwater samples shall be collected monthly. All groundwater samples shall be analyzed for the following constituents:

Table 2 Groundwater Monitoring Constituents

Constituent	Units	Type of Sample
Fecal Coliform Organisms	MPN / 100 ml	Grab
Nitrate (as N)	mg/l	Grab

3. **Groundwater Elevation Monitoring**

The groundwater surface elevation (in feet and hundredths, M.S.L.) in all wells shall be measured on a quarterly basis and other times when groundwater monitoring occurs and used to determine ground water depth and direction of flow. Measurement shall be taken prior to purging the well and include top of casing elevation, depth to groundwater, and water table elevation for each monitoring well. This information shall be displayed on a water table contour map and/or groundwater flow net for the site and included in the annual monitoring report.

VISUAL INSPECTIONS

The permittee shall make surface inspections of all septic tanks and disposal mounds not less than monthly to record any odors, evidence of surfacing effluent, or other signs of malfunction. During the surface inspection, the permittee shall inspect each mound observation well for evidence of ponding effluent within the mound system.

The permittee shall make internal inspections of all septic tanks not less than annually to measure and record the depth of accumulated solids. Septic tanks shall be pumped when the sludge layer exceeds 18 inches from the bottom of the tank

REPORTING

Quarterly monitoring reports shall be submitted so that they are received by the Regional Water Board no later than the first day of the second month after the quarter of sampling. Reports shall include, flow to each disposal mound, laboratory results of effluent and groundwater monitoring, the volume of waste pumped from individual septic tanks during the month, and any observations indicating surfacing effluent.

In reporting the monitoring data, the Permittee shall arrange the data in tabular form on an 8 1/2-by 11-inch sheet so that the date, the constituents, and the concentrations and location of the sampling point are readily discernible. The data shall be summarized in such a manner as to illustrate clearly the compliance with waste discharge requirements. If the Permittee is unable to collect samples for any reason, the monitoring report shall so indicate. The monitoring data and any necessary narrative reports shall be properly titled and referenced to this Order and shall be

submitted to the Regional Water Board and certified to be true and correct by penalty of perjury. If monitoring data presented in the report indicate noncompliance with waste discharge requirements, the report shall include an explanation the cause of the noncompliance and the measures taken by the Permittee to bring the discharge back into compliance.

By March 1 of each year, the permittee shall submit an annual report to the Regional Water Board. The report shall contain a tabular summary of the monitoring data obtained during the previous year. In addition, the permittee shall discuss the compliance record and the corrective actions taken or planned that may be needed to bring the discharge into full compliance with waste discharge requirements.

Ordered by: _____

Susan A. Warner
Executive Officer

June 26, 2003

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